



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/016, 159C

Source:

FEW16

Date Processed by STIC:

12-6-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand-Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby,  
Room 1B03, Arlington, VA 22202

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER:

US/09/016,159C

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics  
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to J; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino Numbering The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences.
- 8 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  
<210> sequence id number  
<400> sequence id number  
000
- 9 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213> Response Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence.
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 0001/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid.



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/016,159C

DATE: 12/06/2004

TIME: 16:04:30

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Output Set: N:\CRF4\12062004\I016159C.raw

3 <110> APPLICANT: Lee, Jong Y.  
 5 <120> TITLE OF INVENTION: PURIFIED HUMAN ERYTHROPOIETIN RECEPTOR PROTEIN FRAGMENT AND  
 6 ANTIBODIES DERIVED THEREFROM  
 8 <130> FILE REFERENCE: 106.001US2  
 10 <140> CURRENT APPLICATION NUMBER: US 09/016,159C  
 11 <141> CURRENT FILING DATE: 1998-01-30  
 13 <150> PRIOR APPLICATION NUMBER: US 08/876,227  
 14 <151> PRIOR FILING DATE: 1997-06-16  
 16 <160> NUMBER OF SEQ ID NOS: 7  
 18 <170> SOFTWARE: PatentIn version 3.2  
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 22 <212> TYPE: DNA  
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 40 <212> TYPE: DNA  
 41 <213> ORGANISM: Homo sapiens  
 43 <300> PUBLICATION INFORMATION:  
 44 <301> AUTHORS: Smith, D.B. et al.  
 45 <302> TITLE: Single-step purification of polypeptides expressed in Escherichia  
 46 coli as fusions with glutathione-S-transferase  
 47 <303> JOURNAL: Gene  
 48 <304> VOLUME: 67  
 49 <306> PAGES: 31-40  
 50 <307> DATE: 1998  
 52 <300> PUBLICATION INFORMATION:  
 53 <301> AUTHORS: Smith, D.B. et al.  
 54 <302> TITLE: Single-step purification of polypeptides expressed in Escherichia  
 55 coli as fusions with glutathione-S-transferase  
 56 <303> JOURNAL: Genes and Development  
 57 <304> VOLUME: 67  
 58 <306> PAGES: 31-40  
 59 <307> DATE: 1998  
 61 <400> SEQUENCE: 3

Does Not Comply  
Corrected Diskette Needed  
(pg.1) ←

Invalid  
Response

Invalid  
Response

← Mandatory,  
<213> responses  
has to be  
either Artificial  
Unknown or  
Genus/species.  
pls

see  
item  
#10  
on error  
summary  
sheet.

## RAW SEQUENCE LISTING

DATE: 12/06/2004

PATENT APPLICATION: US/09/016,159C

TIME: 16:04:31

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68 <213> ORGANISM: Homo sapiens
70 <300> PUBLICATION INFORMATION:
71 <301> AUTHORS: Jones, S.S. et al.
72 <302> TITLE: Human Erythropoietin Receptor: Cloning, expression, and
73 biological characterization
74 <303> JOURNAL: Blood
75 <304> VOLUME: 76
76 <305> ISSUE: 1
77 <306> PAGES: 31-35
78 <307> DATE: 1990-07-01
80 <400> SEQUENCE: 4
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97 cacgtagtgt tgcgtggct cccgcgcct gagacacca tgacgtctca catccgtac 540
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134 <210> SEQ ID NO: 5
135 <211> LENGTH: 508
136 <212> TYPE: PRT
137 <213> ORGANISM: Homo sapiens
139 <300> PUBLICATION INFORMATION:
140 <301> AUTHORS: Jones, S.S. et al.
141 <302> TITLE: Human Erythropoietin Receptor: Cloning, expression, and
142 biological characterization

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Input Set : A:\completeseq.txt

Output Set : N:\CRF4\12062004\I016159C.raw

143 &lt;303&gt; JOURNAL: Blood

144 &lt;304&gt; VOLUME: 76

145 &lt;305&gt; ISSUE: 1

146 &lt;306&gt; PAGES: 31-35

147 &lt;307&gt; DATE: 1990-07-01

149 &lt;400&gt; SEQUENCE: 5

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152 1          5          10          15
155 Leu Leu Leu Ala Gly Ala Ala Trp Ala Pro Pro Pro Asn Leu Pro Asp
156          20          25          30
159 Pro Lys Phe Glu Ser Lys Ala Ala Leu Leu Ala Ala Arg Gly Pro Glu
160          35          40          45
163 Glu Leu Leu Cys Phe Thr Glu Arg Leu Glu Asp Leu Val Cys Phe Trp
164          50          55          60
167 Glu Glu Ala Ala Ser Ala Gly Val Gly Pro Gly Asn Tyr Ser Phe Ser
168 65          70          75          80
171 Tyr Gln Leu Glu Asp Glu Pro Trp Lys Leu Cys Arg Leu His Gln Ala
172          85          90          95
175 Pro Thr Ala Arg Gly Ala Val Arg Phe Trp Cys Ser Leu Pro Thr Ala
176          100         105         110
179 Asp Thr Ser Ser Phe Val Pro Leu Glu Leu Arg Val Thr Ala Ala Ser
180          115         120         125
183 Gly Ala Pro Arg Tyr His Arg Val Ile His Ile Asn Glu Val Val Leu
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187 Leu Asp Ala Pro Val Gly Leu Val Ala Arg Leu Ala Asp Glu Ser Gly
188 145          150         155         160
191 His Val Val Leu Arg Trp Leu Pro Pro Pro Glu Thr Pro Met Thr Ser
192          165         170         175
195 His Ile Arg Tyr Glu Val Asp Val Ser Ala Gly Asn Gly Ala Gly Ser
196          180         185         190
199 Val Gln Arg Val Glu Ile Leu Glu Gly Arg Thr Glu Cys Val Leu Ser
200          195         200         205
203 Asn Leu Arg Gly Arg Thr Arg Tyr Thr Phe Ala Val Arg Ala Arg Met
204          210         215         220
207 Ala Glu Pro Ser Phe Gly Gly Phe Trp Ser Ala Trp Ser Glu Pro Val
208 225          230         235         240
211 Ser Leu Leu Thr Pro Ser Asp Leu Asp Pro Leu Ile Leu Thr Leu Ser
212          245         250         255
215 Leu Ile Leu Val Val Ile Leu Val Leu Leu Thr Val Leu Ala Leu Leu
216          260         265         270
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220          275         280         285
223 Pro Glu Ser Glu Phe Glu Gly Leu Phe Thr Thr His Lys Gly Asn Phe
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227 Gln Leu Trp Leu Tyr Gln Asn Asp Gly Cys Leu Trp Trp Ser Pro Cys
228 305          310         315         320
231 Thr Pro Phe Thr Glu Asp Pro Pro Ala Ser Leu Glu Val Leu Ser Glu
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247 Leu Pro Gly Pro Gly Gly Ser Val Asp Ile Val Ala Met Asp Glu Gly
248 385          390          395          400
251 Ser Glu Ala Ser Ser Cys Ser Ser Ala Leu Ala Ser Lys Pro Ser Pro
252          405          410          415
255 Glu Gly Ala Ser Ala Ala Ser Phe Glu Tyr Thr Ile Leu Asp Pro Ser
256          420          425          430
259 Ser Gln Leu Leu Arg Pro Trp Thr Leu Cys Pro Glu Leu Pro Pro Thr
260          435          440          445
263 Pro Pro His Leu Lys Tyr Leu Tyr Leu Val Val Ser Asp Ser Gly Ile
264          450          455          460
267 Ser Thr Asp Tyr Ser Ser Gly Asp Ser Gln Gly Ala Gln Gly Gly Leu
268 465          470          475          480
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281 <212> TYPE: DNA
282 <213> ORGANISM: Homo sapiens
284 <300> PUBLICATION INFORMATION:
285 <301> AUTHORS: Winkelman, J.C. et al.
286 <302> TITLE: The gene for the human erythropoietin receptor: analysis of the
287 coding sequence and assignment to chromosome 19p
288 <303> JOURNAL: Blood
289 <304> VOLUME: 76
290 <305> ISSUE: 1
291 <306> PAGES: 24-30
292 <307> DATE: 1990-07-01
294 <400> SEQUENCE: 6
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307 gagttgcgcg tcacagcagc ctccggcgct ccgcgatatc accgtgtcat ccacatcaat 420
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319 tcgctgctgg agcctagcga cctggacccc ctcatcctga cgctctccct catcctcgtg 780
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Input Set : A:\completeseq.txt

Output Set: N:\CRF4\12062004\I016159C.raw

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329 acgatgcagg cagtggagcc ggggacagat gatgagggcc ccctgctgga gccagtgggc 1080
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349 <211> LENGTH: 508
350 <212> TYPE: PRT
351 <213> ORGANISM: Homo sapiens
353 <300> PUBLICATION INFORMATION:
354 <301> AUTHORS: Winkelmann, J.C. et al.
355 <302> TITLE: The Gene for the Human Erythropoietin Receptor: Analysis of the
356 coding sequence and assignment to chromosome 19p
357 <303> JOURNAL: Blood
358 <304> VOLUME: 76
359 <305> ISSUE: 1
360 <306> PAGES: 24-30
361 <307> DATE: 1990-07-01
363 <400> SEQUENCE: 7
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373 Pro Lys Phe Glu Ser Lys Ala Ala Leu Leu Ala Ala Arg Gly Pro Glu
374 35 40 45
377 Glu Leu Leu Cys Phe Thr Glu Arg Leu Glu Asp Leu Val Cys Phe Trp
378 50 55 60
381 Glu Glu Ala Ala Ser Ala Gly Val Gly Pro Gly Asn Tyr Ser Phe Ser
382 65 70 75 80
385 Tyr Gln Leu Glu Asp Glu Pro Trp Lys Leu Cys Arg Leu His Gln Ala
386 85 90 95
389 Pro Thr Ala Arg Gly Arg Val Arg Phe Trp Cys Ser Leu Pro Thr Ala
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393 Asp Thr Ser Ser Phe Val Pro Leu Glu Leu Arg Val Thr Ala Ala Ser
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397 Gly Ala Pro Arg Tyr His Arg Val Ile His Ile Asn Glu Val Val Leu
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405 His Val Val Leu Arg Trp Leu Pro Pro Pro Glu Thr Pro Met Thr Ser
406 165 170 175
409 His Ile Arg Tyr Glu Val Asp Val Ser Ala Gly Asn Arg Pro Gly Ser

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**VERIFICATION SUMMARY**

DATE: 12/06/2004

PATENT APPLICATION: US/09/016,159C

TIME: 16:04:32

Input Set : A:\completeseq.txt

Output Set: N:\CRF4\12062004\I016159C.raw